

Title (en)  
DEVICES AND METHODS FOR GENOMIC STRUCTURAL ANALYSIS

Title (de)  
VORRICHTUNGEN UND VERFAHREN ZUR GENOMISCHEN STRUKTURANALYSE

Title (fr)  
DISPOSITIFS ET PROCÉDÉS D'ANALYSE STRUCTURALE GÉNOMIQUE

Publication  
**EP 4172358 A1 20230503 (EN)**

Application  
**EP 21745597 A 20210628**

Priority  
• US 202063046069 P 20200630  
• US 202163143857 P 20210131  
• US 2021039348 W 20210628

Abstract (en)  
[origin: WO2022005957A1] Disclosed are methods for generating physical maps from feature density profiles of a nucleic acid using a constriction device, and associated methods of analyzing said genomic profiles. In addition, disclosed are devices and methods for analyzing secondary, tertiary and quaternary structures on nucleic acids in spatial and temporal context of the 3-D organization of the genome in a constriction or sensor device.

IPC 8 full level  
**C12Q 1/6816** (2018.01); **C12Q 1/6806** (2018.01); **C12Q 1/6869** (2018.01)

CPC (source: EP US)  
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C-Set (source: EP)  
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BA ME

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**US 2021039348 W 20210628**; CN 202180047156 A 20210628; EP 21745597 A 20210628; US 202118001773 A 20210628